PTO/SB/81A (12-08)

Approved for use through 11/30/2011. OMB 0651-0035

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| Patent Number | 6,936,593 | | |
| Issue Date | August 19, 2003 | | |
| First Named Inventor | Agrawal | | |
| Title | A Method of Down-Regulating Gene Expression | | |
| Attorney Docket Number | IDRA-733 | | |

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| I here | I hereby revoke all previous powers of attorney given in the above-identified patent. | | | | | | |
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| | I am the: Inventor, having ownership of the patent. | | | | | | |
| ╽╙ | OR | | | | | | |
| Patent owner. Statement under 37 CFR 3.73(b) (Form PTO/SB/96) submitted herewith or filed on | | | | | | | |
| SIGNATURE of Inventor or Patent Owner | | | | | | | |
| Sign | ature | 3/4/11 | | Date Co-1 | 1.2009 | | |
| Nam | | Eouis J. Arcuid, III | | Telephone 617-679- | 5500 | | |
| Title and Company Chief Financial Officer, Idera Pharmaceuticals, Inc. | | | | | | | |
| NOTE: Signatures of all the inventors or patent owners of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below. | | | | | | | |
| *Total of forms are submitted. | | | | | | | |

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PTO/SB/96 (11-08) Approved for use through 12/31/2008, OMB 0851-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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| STATEMENT UNDER 37 CFR 3.73(b) | | | | | |
|---|--|--|--|--|--|
| Applicant/Patent Owner: Agrawal et al. | | | | | |
| Application No./Patent No.: 6,936,593 | _ Filed/Issue Date: 8/30/2005 | | | | |
| Entitled: A Method of Down-Regulating Gene Expression | | | | | |
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| Idera Pharmaceuticals, Inc. , a corporati | | | | | |
| (Name of Assignee) (Type of | f Assignee, e.g., corporation, partnership, university, government agency, etc.) | | | | |
| states that it is: | | | | | |
| 1. the assignee of the entire right, title, and interest; or | | | | | |
| 2. an assignee of less than the entire right, title and interest (The extent (by percentage) of its ownership interest is%) | | | | | |
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| As required by 37 CFR 3.73(b)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11. | | | | | |
| [NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO. See MPEP 302.08] | | | | | |
| The undersigned (whose title is supplied below) is authorized to act or | • | | | | |
| Ment | 12.22.08 | | | | |
| Signature | Date | | | | |
| Louis J. Arcudi | 617-679-5500 | | | | |
| Printed or Typed Name | Telephone Number | | | | |
| Chief Financial Officer | | | | | |
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